

<p>FORM PTO-1449</p> <p>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p>	<p>ATTY. DOCKET NO. TAN-2-1403.05.US</p>	<p>SERIAL NO. 09/997,732</p>
	<p>APPLICANT James A. Proctor, Jr.</p>	
	<p>FILING DATE November 29, 2001</p>	<p>GROUP 2461</p>

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,560,978	02/1971	Himmel et al.			
		3,725,938	04/1973	Black et al.			
		3,742,498	06/1973	Dunn			
		3,846,799	11/1974	Guegen			
		3,950,753	04/1976	Chisholm			
		4,021,813	05/1977	Black et al.			
		4,099,184	07/1978	Rapshys			
		4,107,469	08/1978	Jenkins			
		4,170,766	10/1979	Pridham et al.			
		4,260,994	04/1981	Parker			
		4,290,071	09/1981	Fenwick			
		4,387,378	06/1983	Henderson			
		4,448,155	12/1984	Wu			
		4,577,316	03/1986	Schiff			
		4,599,733	07/1986	Gutleber			
		4,625,308	11/1986	Kim et al.			
		4,631,546	12/1986	Dumas et al.			
		4,642,806	02/1987	Hewitt et al.			
		4,675,863	06/1987	Paneth et al.			
		4,700,197	10/1987	Milne			
		4,817,089	03/1989	Paneth et al.			
		4,841,526	06/1989	Wilson et al.			
		4,862,453	08/1989	West et al.			
		4,866,709	09/1989	West et al.			
		4,912,705	03/1990	Paneth et al.			
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		4,949,395	08/1990	Rydbeck			
		4,954,950	9/4/1990	Freeman et al.			
		5,022,024	06/1991	Paneth et al.			
		5,027,125	06/1991	Tang			
		5,027,348	06/1991	Curry			
		5,027,400	06/1991	Baji et al.			
		5,038,149	08/1991	Aubry et al.			
		5,056,109	10/1991	Gilhausen et al.			
		5,068,916	11/1991	Harrison et al.			
		5,101,416	03/1992	Fenton et al.			
		5,103,459	04/1992	Gilhausen et al.			
		5,114,375	05/1992	Wellhausen et al.			
		5,115,309	05/1992	Hang			
		5,117,236	05/1992	Chang et al.			
		5,124,981	06/1992	Golding			
		5,130,983	07/1992	Heffner III			
		5,226,044	07/1993	Gupta et al.			
		5,235,343	08/1993	Audren et al.			
		5,257,283	10/1993	Gilhausen et al.			
		5,267,262	11/1993	Wheatly III			
		5,268,900	12/1993	Hluchyj et al.			
		5,280,472	01/1994	Gilhausen et al.			
		5,282,222	01/1994	Fattouche et al.			
		5,293,172	03/1994	Lamberty et al.			
		5,294,939	03/1994	Sanford et al.			
		5,303,240	04/1994	Borras et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,325,394	06/1994	Bruckert			
		5,325,419	06/1994	Connolly et al.			
		5,337,316	08/1994	Weiss et al.			
		5,339,316	08/1994	Diepstraten			
		5,353,332	10/1994	Raith et al.			
		5,355,374	11/1994	Hester et al.			
		5,373,502	12/1994	Turban			
		5,375,124	12/1994	D'Ambrogio, et al.			
		5,388,102	02/1995	Griffith et al.			
		5,394,473	02/1995	Davidson			
		5,412,429	05/1995	Glover			
		5,414,728	05/1995	Zehavi			
		5,422,887	06/1995	Diepstraten et al.			
		5,430,452	07/1995	DuBois			
		5,437,055	07/1995	Wheatley, III			
		5,442,625	08/1995	Gitlin et al.			
		5,446,727	08/1995	Bruckert et al.			
		5,463,629	10/1995	Ko			
		5,471,463	11/1995	Hulbert			
		5,479,176	12/1995	Zavrel, Jr.			
		5,481,533	01/1996	Honig et al.			
		5,487,180	01/23/1996	Ohtake			
		5,490,136	02/1996	Sereno et al.			
		5,493,569	02/1996	Buchholtz et al.			
		5,502,447	03/1996	Kumpfbeck et al.			
		5,511,068	04/1996	Sato			

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		5,537,397	07/1996	Abramson			
		5,537,414	07/16/1996	Takiyasu et al.			
		5,550,828	08/27/1996	Gries et al.			
		5,559,789	09/1996	Nakano et al.			
		5,577,022	11/19/1996	Padovani et al.			
		5,581,575	12/1996	Zehavi et al.			
		5,585,850	12/1996	Schwaller			
		5,586,119	12/1996	Scribano et al.			
		5,590,409	12/1996	Sawahashi et al.			
		5,592,178	01/1997	Chang et al.			
		5,592,468	01/1997	Sato			
		5,592,470	01/1997	Rudrapatna et al.			
		5,592,471	01/1997	Briskman			
		5,598,416	01/1997	Yamada et al.			
		5,604,730	12/1997	Tiedemann Jr.			
		5,606,580	02/1997	Mourot et al. ¹			
		5,617,102	04/1997	Prater			
		5,617,423	04/1997	Li et al.			
		5,619,492	04/1997	Press et al.			
		5,619,524	04/1997	Ling et al.			
		5,621,752	04/1997	Antonio et al.			
		5,634,199	05/1997	Gerlach et al.			
		5,642,348	06/1997	Barzegar et al.			
		5,642,377	06/1997	Chung et al.			
		5,652,764	07/1997	Kanzaki et al.			
		5,655,001	08/1997	Cline et al.			

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		5,657,326	06/1997	Burns et al.			
		5,657,358	08/1997	Panech et al.			
		5,663,958	09/1997	Ward			
		5,663,990	09/1997	Bolgiano et al.			
		5,673,259	09/1997	Quick, Jr.			
		5,680,142	10/1997	Smith et al.			
		5,684,794	11/1997	Lopez et al.			
		5,687,194	11/1997	Paneth et al.			
		5,689,502	11/1997	Scott			
		5,697,059	12/1997	Carney			
		5,699,364	12/1997	Sato et al.			
		5,708,656	01/1998	Noneman et al.			
		5,712,869	01/1998	Lee et al.			
		5,715,236	02/1998	Gilhausen et al.			
		5,726,981	03/1998	Yltervo et al.			
		5,734,646	03/1998	I et al.			
		5,739,784	04/1998	Jan et al.			
		5,742,592	04/1998	Scholefield et al.			
		5,745,484	04/1998	Scott			
		5,758,288	05/1998	Dunn et al.			
		5,767,807	06/1998	Pritchett			
		5,781,542	07/1998	Tanaka et al.			
		5,781,543	07/1998	Ault et al.			
		5,784,406	07/1998	DeJaco et al.			
		5,790,549	08/1998	Dent			
		5,790,551	08/1998	Chan			

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		5,793,744	08/1998	Kanerva et al.			
		5,802,046	09/1998	Scott			
		5,802,465	09/1998	Hamalainen et al.			
		5,805,994	09/1998	Perrault et al.			
		5,812,131	09/1998	Bertram			
		5,825,807	10/1998	Kumar			
		5,828,659	10/1998	Teder et al.			
		5,828,662	10/1998	Jalali et al.			
		5,838,720	11/17/1998	Morelli			
		5,841,768	11/1998	Ozluturk et al.			
		5,844,894	12/1998	Dent			
		5,845,211	12/1998	Roach			
		5,854,786	12/1998	Henderson et al.			
		5,856,971	01/1999	Gitlin et al.			
		5,859,840	01/1999	Tiedemann, Jr. et al.			
		5,859,879	01/1999	Bolgiano et al.			
		5,867,527	02/1999	Ziv et al.			
		5,872,786	02/1999	Shobatake			
		5,873,043	02/16/1999	Comer			
		5,881,060	03/1999	Morrow et al.			
		5,881,368	03/1999	Grob et al.			
		5,884,196	03/1999	Lekven et al.			
		5,892,774	04/1999	Zehavi et al.			
		5,893,035	04/1999	Chen			
		5,894,473	04/1999	Dent			
		5,896,376	04/1999	Alperovich et al.			

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		5,898,929	04/1999	Haartsen			
		5,905,473	05/1999	Taenzer			
		5,910,944	06/1999	Callicotte et al.			
		5,910,945	06/1999	Garrison et al.			
		5,914,950	06/1999	Tiedemann, Jr. et al.			
		5,915,216	06/22/1999	Lysejko			
		5,923,650	07/1999	Chen et al.			
		5,926,500	07/1999	Odenwalder			
		5,930,230	07/1999	Odenwalder et al.			
		5,933,781	08/1999	Willenegger et al.			
		5,943,362	08/1999	Saito			
		5,950,131	09/1999	Vilmur			
		5,956,332	09/1999	Rasanen et al.			
		5,959,980	09/1999	Scott			
		5,960,361	09/1999	Chen			
		5,963,559	08/7/2003	Ohki			
		5,966,374	10/1999	Rasanen			
		5,974,036	10/26/1999	Acharya et al.			
		5,982,760	11/1999	Chen			
		5,991,279	11/1999	Haugli et al.			
		5,991,284	11/1999	Willenegger et al.			
		5,991,618	11/23/1999	Hall			
		6,001,800	12/1999	Mehta et al.			
		6,002,690	12/1999	Takayama et al.			
		6,005,852	12/1999	Kokko et al.			
		6,005,855	12/1999	Zehavi et al.			

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		6,009,106	12/1999	Rustad et al.			
		6,011,800	01/2000	Nadgauda et al.			
		6,016,312	01/2000	Storn et al.			
		6,028,868	02/2000	Yeung et al.			
		6,031,827	02/2000	Rikkinen et al.			
		6,034,638	03/2000	Thiel et al.			
		6,037,905	03/2000	Koscica et al.			
		6,038,450	03/14/2000	Brink et al.			
		6,049,535	04/2000	Ozluturk			
		6,049,538	04/2000	Scott			
		6,052,385	04/2000	Kanerva et al.			
		6,058,338	05/2000	Agashe et al.			
		6,064,678	05/2000	Sindhushayana et al.			
		6,069,880	05/1999	Owen et al.			
		6,069,883	05/2000	Ejzak et al.			
		6,070,071	05/2000	Chavez et al.			
		6,075,974	06/2000	Saints et al.			
		6,078,572	06/2000	Tanno et al.			
		6,081,536	06/2000	Gorsuch et al.			
		6,088,335	07/2000	I et al.			
		6,094,421	07/2000	Scott			
		6,094,576	07/2000	Häkkinen et al.			
		6,097,733	08/2000	Basu et al.			
		6,097,972	08/2000	Saints et al.			
		6,100,843	08/2000	Proctor, Jr. et al.			
		6,101,176	08/2000	Honkasalo et al.			

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		6,101,179	08/2000	Soliman			
		6,104,708	08/2000	Bergamo			
		6,111,863	08/2000	Rostoker et al.			
		6,112,092	08/2000	Benveniste			
		6,115,370	09/2000	Struhsaker et al.			
		6,118,767	09/2000	Shen et al.			
		6,134,233	10/2000	Kay			
		6,151,332	11/2000	Gorsuch et al.			
		6,157,616	12/2000	Whitehead			
		6,157,619	12/2000	Ozluturk et al.			
		6,161,013	12/2000	Anderson et al.			
		6,163,707	12/2000	Miller			
		6,169,731	01/2001	Stewart et al.			
		6,185,184	02/2001	Mattaway et al.			
		6,185,266	02/2001	Kuchi et al.			
		6,188,678	02/2001	Prescott			
		6,188,903	02/2001	Gardner et al.			
		6,196,362	02/2001	Darcie et al.			
		6,198,723	03/2001	Parruck et al.			
		6,201,966	03/2001	Rinne et al.			
		6,208,871	03/2001	Hall et al.			
		6,212,175	04/2001	Harsch			
		6,212,220	04/2001	Proctor Jr.			
		6,214,342	04/2001	Rege			
		6,215,798	04/2001	Carneheim et al.			
		6,219,342	04/2001	Rege			

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		6,222,828	04/2001	Ohlson et al.			
		6,222,832	04/2001	Proctor			
		6,222,873	04/2001	Bang et al.			
		6,226,527	05/2001	Dalsgaard et al.			
		6,233,439	05/2001	Jalali			
		6,236,647	05/2001	Amalfitano			
		6,236,674	05/22/2001	Morelli et al.			
		6,243,372	06/2001	Petch et al.			
		6,246,673	06/2001	Tiedmann et al.			
		6,246,715	06/2001	Park et al.			
		6,256,509	07/2001	Tanaka et al.			
		6,259,683	07/2001	Sekine et al.			
		6,262,980	07/2001	Leung et al.			
		6,263,013	07/2001	Hendrickson			
		6,269,075	07/2001	Tran			
		6,269,088	07/2001	Masui et al.			
		6,272,168	08/2001	Lomp et al.			
		6,272,354	08/2001	Saaro			
		6,275,478	08/2001	Tiedemann Jr.			
		6,278,701	08/2001	Ayyagari et al.			
		6,285,665	09/2001	Chuah			
		6,292,474	09/2001	Ali et al.			
		6,301,291	10/2001	Rouphael et al.			
		6,304,215	10/2001	Proctor, Jr. et al.			
		6,307,840	10/2001	Wheatley III et al.			
		6,310,859	10/2001	Morita et al.			

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		6,314,300	11/2001	Nakashima et al.			
		6,317,092	11/2001	De Schweinitz et al.			
		6,320,851	11/2001	Kim et al.			
		6,332,008	12/2001	Giallorenzi et al.			
		6,337,668	01/2002	Ito et al.			
		6,353,412	03/2002	Soliman			
		6,353,645	03/2002	Solve et al.			
		6,356,555	03/2002	Rakib			
		6,366,570	04/2002	Bhagalia			
		6,366,786	04/2002	Norman et al.			
		6,370,117	04/2002	Koraitim et al.			
		6,373,830	04/2002	Ozluturk			
		6,373,834	04/2002	Lundh et al.			
		6,377,548	04/2002	Chuah			
		6,377,809	04/2002	Rezaiifar et al.			
		6,388,997	05/2002	Scott			
		6,388,999	05/2002	Gorsuch et al.			
		6,389,000	05/2002	Jou			
		6,396,804	05/2002	Odenwalder			
		6,396,823	05/2002	Park et al.			
		6,418,148	07/2002	Kumar et al.			
		6,424,645	07/23/2002	Kawabata et al. ³			
		6,426,960	07/2002	Antonio			
		6,452,911	09/2002	Seo			
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	<p>APPLICANT James A. Proctor, Jr.</p>	
	<p>FILING DATE November 29, 2001</p>	<p>GROUP 2461</p>

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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		6,473,623	10/2002	Benveniste			
		6,483,816	11/2002	Tsunebara et al.			
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		6,545,994	04/2003	Nelson et al.			
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		6,567,416	05/2003	Chuah			

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		6,690,938	02/2004	Chin			
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		2001/0039191	11/2001	Maierhofer			

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		2002/0009061	01/2002	Willenegger			
		2002/0012332	05/2002	Tiedmann et al.			
		2002/0045441	04/2002	Ralston et al.			
		2002/0080024	06/2002	Nelson et al.			
		2002/0097700	07/25/2002	Alastalo			
		2002/0141478	10/2002	Ozluturk et al.			
		2003/0060224	03/2003	Nelson et al.			
		2003/0095517	05/22/2003	Proctor, Jr.			
		2003/0123401	07/2003	Dean			
		2004/0005078	01/08/2004	Tillotson			
		2004/0009785	01/2004	Nelson et al.			
		2004/0047328	03/2004	Proctor et al.			
		2004/0073803	04/15/2004	Keramane			
		2004/0160910	08/2004	Gorsuch et al.			
		2004/0180696	09/2004	Foore et al.			
		2005/0208961	09/2005	Willenegger			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		2812575	09/1979	DE				
		0 443 061	08/1991	EP				
		0 526 106	02/1993	EP				
		0 682 423	11/1995	EP				
		0 682 426	11/1995	EP				
		0 719 062	06/1996	EP				
		0 720 309	07/1996	EP				

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							YES	NO
		0 773 636	05/1997	EP				
		0 910 176	04/1999	EP				
		0 475 698	03/1997	EP				
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		2 326 524	12/1998	GB				
		59-050603	03/1984	JP			X**	
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	*	03-049324	03/1991	JP			X**	
		07-067164	03/1995	JP			X**	
		07-095151	04/1995	JP			X**	
		07-264098	10/1995	JP				
		08-065273	03/1996	JP				
		09-055693	02/1997	JP			X**	
		566045	12/2003	TW			X**	
		200536325	11/2005	TW			X**	
		95/08900	03/1995	WO				
		96/08934	03/1996	WO				
		96/19050	06/1996	WO				
		96/27994	12/1996	WO				
		96/37081	11/1996	WO				
		97/23073	06/1997	WO				
		97/26726	07/1997	WO				
		97/32412	09/1997	WO				
		97/46041	04/1997	WO				
		97/46044	12/1997	WO				

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							YES	NO
		99/14869	03/1999	WO				
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		99/52306	10/1999	WO				
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. TAN-2-1403.05.US	SERIAL NO. 09/997,732
	APPLICANT James A. Proctor, Jr.	
	FILING DATE November 29, 2001	GROUP 2461

EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
	PRESTON, S.L., ET AL., 'A Multibeam Antenna Using Switched Parasitic and Switched Active Elements for Space-Division Multiple Access Applications,' <i>IEICE Trans. Electron.</i> , Vol. E82-C, No. 7, pp.1202-1210, (July 1999)
	PRESTON, S.L., ET AL., "Base-Station Tracking in Mobile Communications using a Switched Parasitic Antenna Array," <i>IEEE Trans. Antennas and Propagation</i> , Vol. 46, No. 6, pp. 841-844, (June, 1998)
	PRESTON, S.L., ET AL., "Electronic Beam Steering Using Switched Parasitic Patch Elements," <i>Electronics Letters</i> , Vol. 33, no. 1, pp. 7-8, (January 2, 1997)
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EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
		Simpson, W. (Editor). "RFC 1662 – PPP in HDLC-Like Framing." Network Working Group, July 1994, pgs. 1-17. http://www.faqs.org/rfcs/rfc1662.html
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X** English abstract provided.

¹ Corresponds to EP 0635949; ² Corresponds to FR 2761557; ³ Corresponds to JP 2000-92019.

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